

ABSTRACT

A printhead includes an elongate substrate that defines three groups of ink supply channels, each group being in fluid communication with a respective ink of a predetermined color and extending along a length of the substrate along three substantially parallel paths. A plurality of nozzle arrangements is positioned on the substrate. Each nozzle arrangement includes a nozzle chamber structure that is positioned on the substrate to define a nozzle chamber in fluid communication with an ink supply channel and an ink ejection port in fluid communication with the nozzle chamber. A micro-electromechanical ink ejection mechanism is positioned on the substrate operatively with respect to the nozzle chamber to eject ink from the ink ejection port.

Figure 85